



## Gulf of Mexico Harmful Algal Bloom Bulletin

4 September 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: August 27, 2007

### Conditions Report

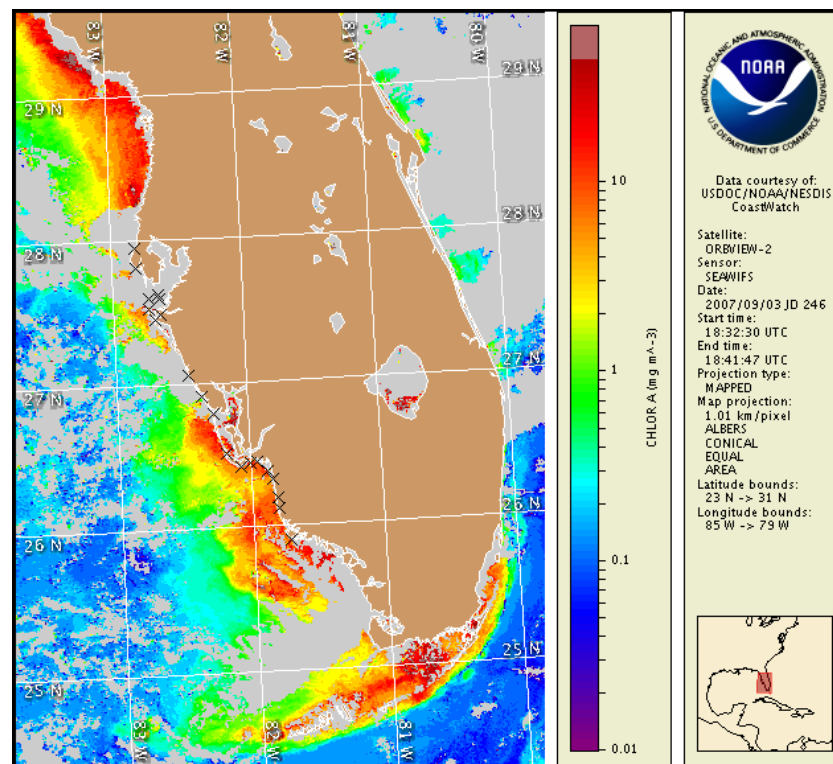
There is currently no indication of harmful algal bloom presence along the coast of southwest Florida. No impacts are expected in any Florida counties today through Sunday September 9.

### Analysis

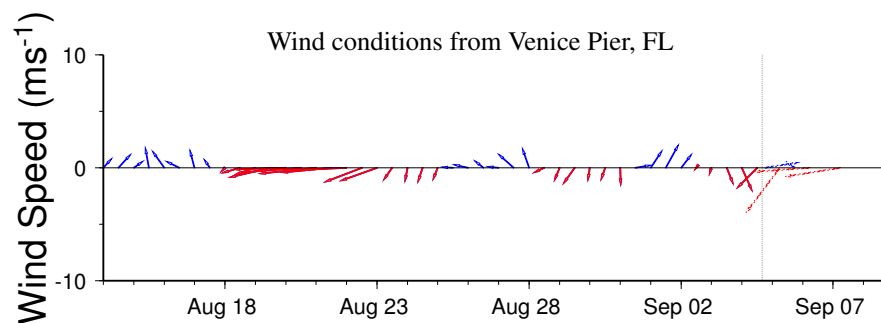
Recent samples confirm that the harmful algae *Karenia brevis* is not currently present in southwest Florida (8/27-31, FWRI). Chlorophyll concentrations remain elevated in patches along the coast from southern Charlotte to northern Monroe County, and offshore southwest of Cape Romano, due to non-harmful algae. Reports of discolored water are possible.

No impacts are expected along the southwest Florida coast today through Saturday, although upwelling-favorable winds over the past few days and through the majority of this week may increase the potential for bloom formation. Continued sampling is recommended.

-Keller, Allen



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 25-29 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

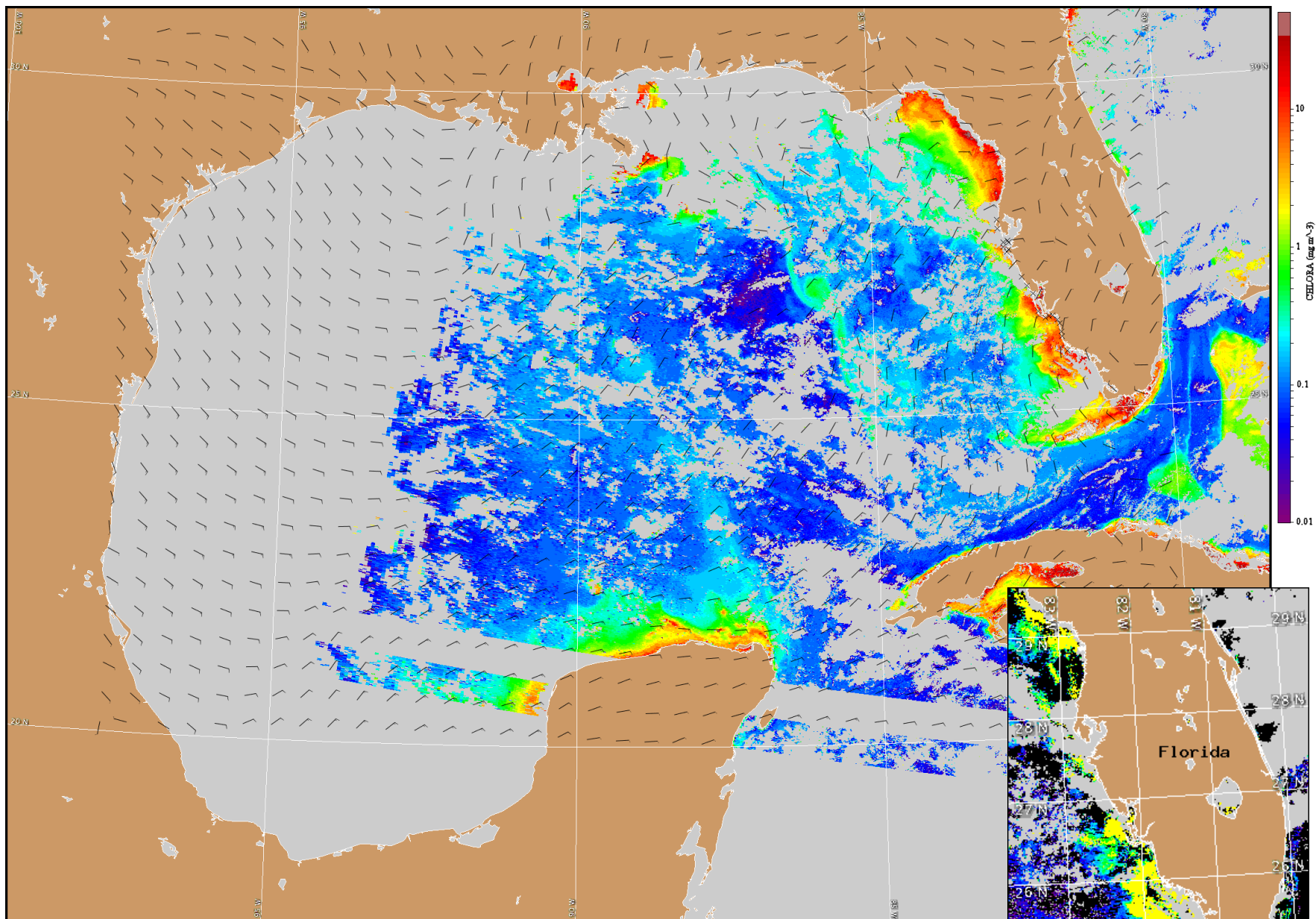


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Northerly winds today at 10 knots (5 m/s) becoming northeasterly tonight and Wednesday. Easterly winds Wednesday night through Thursday at 10-15 knots (5-8 m/s) becoming southeasterly Friday and southerly on Saturday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for September 5, 2007 06Z with cell concentration sampling data from August 25-29 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).